



(12) **United States Patent**
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(54) **SURGICAL INSTRUMENT WITH FIRING
ACTUATOR LOCKOUT**

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See application file for complete search history.

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(57) **ABSTRACT**

A surgical instrument system is disclosed. The surgical
instrument system comprises an end effector movable
between an open configuration and a closed configuration
when a closing motion is applied to the end effector, a firing
member configured to perform a staple firing stroke when a
firing motion is applied to the firing member, and a handle
comprising a closure actuator operable to generate the
closing motion and a firing actuator. The surgical instrument
system further comprises a motor configured to generate the
firing motion, wherein the firing actuator is operable to
operate the motor, a lockout configured to prevent the firing
member from performing the staple firing stroke prior to the
operation of the closure actuator, and a battery positioned in
the handle.

25 Claims, 51 Drawing Sheets

